



SEQUENCE LISTING

<10> AGUERA et al.

<120> Use of ULIP proteins in the diagnosis and therapy of  
cancers and paraneoplastic neurological syndromes

<130> P06473US0/BAS

<140> US 09/367,496

<141> 1999-11-24

<150> FR 97 01 961

<151> 1997-02-19

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<170> PatentIn Ver. 2.1

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Gln Gly Met Thr Ser Ala Asp Asp Phe Phe Gln Gly Thr Lys Ala Ala	85	90	95
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Tyr Asp Gly Val Arg Glu Glu Leu Glu Val Leu Val Gln Asp Lys Gly	145	150	155
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 Thr Lys Val Ile Ser Ala Lys Ser His Asn Leu Asn Val Glu Tyr Asn  
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 Ile Phe Glu Gly Val Glu Cys Arg Gly Val Pro Thr Val Val Ile Ser  
 435 440 445  
 Gln Gly Arg Val Val Leu Glu Asp Gly Asn Leu Leu Val Thr Pro Gly  
 450 455 460  
 Ala Gly Arg Phe Ile Pro Arg Lys Thr Phe Pro Asp Phe Val Tyr Lys  
 465 470 475 480  
 Arg Ile Lys Ala Arg Asn Arg Leu Ala Glu Ile His Gly Val Pro Arg  
 485 490 495  
 Gly Leu Tyr Asp Gly Pro Val His Glu Val Met Leu Pro Ala Lys Pro  
 500 505 510  
 Gly Ser Gly Thr Gln Ala Arg Ala Ser Cys Ser Gly Lys Ile Ser Val  
 515 520 525  
 Pro Pro Val Arg Asn Leu His Gln Ser Gly Phe Ser Leu Ser Gly Ser  
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 Gln Ala Asp Asp His Ile Ala Arg Arg Thr Ala Gln Lys Ile Met Ala  
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 Pro Pro Gly Gly Arg Ser Asn Ile Thr Ser Leu Ser  
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 ctggagcaag aactggggcca aggctgcagc cttcgtcaca tcaccccctg tcaaccaga 960

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<212> PRT

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Leu Leu Ile Arg Gly Gly Arg Ile Val Asn Asp Asp Gln Ser Phe Tyr
      20              25              30

Ala Asp Val His Val Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn
      35              40              45

Leu Ile Val Pro Gly Gly Ile Lys Thr Ile Asp Ala His Gly Leu Met
      50              55              60

Val Leu Pro Gly Gly Val Asp Val His Thr Arg Leu Gln Met Pro Val
      65              70              75              80

Leu Gly Met Thr Pro Ala Asp Asp Phe Cys Gln Gly Thr Lys Ala Ala
      85              90              95

Leu Ala Gly Gly Thr Thr Met Ile Leu Asp His Val Phe Pro Asp Thr
      100             105             110

Gly Val Ser Leu Leu Ala Ala Tyr Glu Gln Trp Arg Glu Arg Ala Asp
      115             120             125

Ser Ala Ala Cys Cys Asp Tyr Ser Leu His Val Asp Ile Thr Arg Trp
      130             135             140

His Glu Ser Ile Lys Glu Glu Leu Glu Ala Leu Val Lys Glu Lys Gly
      145             150             155             160

Val Asn Ser Phe Leu Val Phe Met Ala Tyr Lys Asp Arg Cys Gln Cys
      165             170             175

Ser Asp Ser Gln Met Tyr Glu Ile Phe Ser Ile Ile Arg Asp Leu Gly
      180             185             190

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Ala	Leu	Ala	Gln	Val	His	Ala	Glu	Asn	Gly	Asp	Ile	Val	Glu	Glu	Glu	195	200	205	
Gln	Lys	Arg	Leu	Leu	Glu	Leu	Gly	Ile	Thr	Gly	Pro	Glu	Gly	His	Val	210	215	220	
Leu	Ser	His	Pro	Glu	Glu	Val	Glu	Ala	Glu	Ala	Val	Tyr	Arg	Ala	Val	225	230	235	240
Thr	Ile	Ala	Lys	Gln	Ala	Asn	Cys	Pro	Leu	Tyr	Val	Thr	Lys	Val	Met	245	250	255	
Ser	Lys	Gly	Ala	Ala	Asp	Ala	Ile	Ala	Gln	Ala	Lys	Arg	Arg	Gly	Val	260	265	270	
Val	Val	Phe	Gly	Glu	Pro	Ile	Thr	Ala	Ser	Leu	Gly	Thr	Asp	Gly	Ser	275	280	285	
His	Tyr	Trp	Ser	Lys	Asn	Trp	Ala	Lys	Ala	Ala	Ala	Phe	Val	Thr	Ser	290	295	300	
Pro	Pro	Val	Asn	Pro	Asp	Pro	Thr	Thr	Ala	Asp	His	Leu	Thr	Cys	Leu	305	310	315	320
Leu	Ser	Ser	Gly	Asp	Leu	Gln	Val	Thr	Gly	Ser	Ala	His	Cys	Thr	Phe	325	330	335	
Thr	Thr	Ala	Gln	Lys	Ala	Val	Gly	Lys	Asp	Asn	Phe	Ala	Leu	Ile	Pro	340	345	350	
Glu	Gly	Thr	Asn	Gly	Ile	Glu	Glu	Arg	Met	Ser	Met	Val	Trp	Glu	Lys	355	360	365	
Cys	Val	Ala	Ser	Gly	Lys	Met	Asp	Glu	Asn	Glu	Phe	Val	Ala	Val	Thr	370	375	380	
Ser	Thr	Asn	Ala	Ala	Lys	Ile	Phe	Asn	Phe	Tyr	Pro	Arg	Lys	Gly	Arg	385	390	395	400
Val	Ala	Val	Gly	Ser	Asp	Ala	Asp	Leu	Val	Ile	Trp	Asn	Pro	Lys	Ala	405	410	415	
Thr	Lys	Ile	Ile	Ser	Ala	Lys	Thr	His	Asn	Leu	Asn	Val	Glu	Tyr	Asn	420	425	430	
Ile	Phe	Glu	Gly	Val	Glu	Cys	Arg	Gly	Ala	Pro	Ala	Val	Val	Ile	Ser	435	440	445	
Gln	Gly	Arg	Val	Ala	Leu	Glu	Asp	Gly	Lys	Met	Phe	Val	Thr	Pro	Gly	450	455	460	
Ala	Gly	Arg	Phe	Val	Pro	Arg	Lys	Thr	Phe	Pro	Asp	Phe	Val	Tyr	Lys	465	470	475	480
Arg	Ile	Lys	Ala	Arg	Asn	Arg	Leu	Ala	Glu	Ile	His	Gly	Val	Pro	Arg	485	490	495	

Gly Leu Tyr Asp Gly Pro Val His Glu Val Met Val Pro Ala Lys Pro  
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Gly Ser Gly Ala Pro Ala Arg Ala Ser Cys Pro Gly Lys Ile Ser Val  
515 520 525

Pro Pro Val Arg Asn Leu His Gln Ser Gly Phe Ser Leu Ser Gly Ser  
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Gln Ala Asp Asp His Ile Ala Arg Arg Thr Ala Gln Lys Ile Met Ala  
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Pro Pro Gly Gly Arg Ser Asn Ile Thr Ser Leu Ser  
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<211> 55

<212> PRT

<213> Homo sapiens

<221> MISC\_FEATURE

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<223> amino acids 1 to 55 of the sequence shown in Figure 12

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Met Ser Phe Gln Gly Lys Lys Ser Ile Pro Arg Ile Thr Ser Asp Arg  
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Leu Leu Ile Arg Gly Gly Arg Ile Val Asn Asp Asp Gln Ser Phe Tyr  
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Ala Asp Val His Val Glu Asp Gly Leu Ile Lys Gln Ile Gly Glu Asn  
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Leu Ile Val Pro Gly Gly Ile  
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<210> 10

<211> 497

<212> PRT

<213> Homo sapiens

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<223> amino acids 57 to 553 of the sequence shown in Figure 12

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20 25 30

Phe Cys Gln Gly Thr Lys Ala Ala Leu Ala Gly Gly Thr Thr Met Ile  
35 40 45

Leu	Asp	His	Val	Phe	Pro	Asp	Thr	Gly	Val	Ser	Leu	Leu	Ala	Ala	Tyr		
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Glu	Gln	Trp	Arg	Glu	Arg	Ala	Asp	Ser	Ala	Ala	Cys	Cys	Asp	Tyr	Ser		
65				70					75						80		
Leu	His	Val	Asp	Ile	Thr	Arg	Trp	His	Glu	Ser	Ile	Lys	Glu	Glu	Leu		
				85					90					95			
Glu	Ala	Leu	Val	Lys	Glu	Lys	Gly	Val	Asn	Ser	Phe	Leu	Val	Phe	Met		
			100					105						110			
Ala	Tyr	Lys	Asp	Arg	Cys	Gln	Cys	Ser	Asp	Ser	Gln	Met	Tyr	Glu	Ile		
		115					120					125					
Phe	Ser	Ile	Ile	Arg	Asp	Leu	Gly	Ala	Leu	Ala	Gln	Val	His	Ala	Glu		
		130				135						140					
Asn	Gly	Asp	Ile	Val	Glu	Glu	Gln	Lys	Arg	Leu	Leu	Glu	Leu	Gly			
145					150				155					160			
Ile	Thr	Gly	Pro	Glu	Gly	His	Val	Leu	Ser	His	Pro	Glu	Glu	Val	Glu		
				165					170					175			
Ala	Glu	Ala	Val	Tyr	Arg	Ala	Val	Thr	Ile	Ala	Lys	Gln	Ala	Asn	Cys		
			180					185					190				
Pro	Leu	Tyr	Val	Thr	Lys	Val	Met	Ser	Lys	Gly	Ala	Ala	Asp	Ala	Ile		
		195					200					205					
Ala	Gln	Ala	Lys	Arg	Arg	Gly	Val	Val	Val	Phe	Gly	Glu	Pro	Ile	Thr		
		210				215					220						
Ala	Ser	Leu	Gly	Thr	Asp	Gly	Ser	His	Tyr	Trp	Ser	Lys	Asn	Trp	Ala		
225					230					235					240		
Lys	Ala	Ala	Ala	Phe	Val	Thr	Ser	Pro	Pro	Val	Asn	Pro	Asp	Pro	Thr		
				245					250					255			
Thr	Ala	Asp	His	Leu	Thr	Cys	Leu	Leu	Ser	Ser	Gly	Asp	Leu	Gln	Val		
			260					265					270				
Thr	Gly	Ser	Ala	His	Cys	Thr	Phe	Thr	Thr	Ala	Gln	Lys	Ala	Val	Gly		
		275					280					285					
Lys	Asp	Asn	Phe	Ala	Leu	Ile	Pro	Glu	Gly	Thr	Asn	Gly	Ile	Glu	Glu		
	290					295					300						
Arg	Met	Ser	Met	Val	Trp	Glu	Lys	Cys	Val	Ala	Ser	Gly	Lys	Met	Asp		
305					310					315					320		
Glu	Asn	Glu	Phe	Val	Ala	Val	Thr	Ser	Thr	Asn	Ala	Ala	Lys	Ile	Phe		
				325					330					335			
Asn	Phe	Tyr	Pro	Arg	Lys	Gly	Arg	Val	Ala	Val	Gly	Ser	Asp	Ala	Asp		
			340					345					350				

Leu Val Ile Trp Asn Pro Lys Ala Thr Lys Ile Ile Ser Ala Lys Thr  
355 360 365

His Asn Leu Asn Val Glu Tyr Asn Ile Phe Glu Gly Val Glu Cys Arg  
370 375 380

Gly Ala Pro Ala Val Val Ile Ser Gln Gly Arg Val Ala Leu Glu Asp  
385 390 395 400

Gly Lys Met Phe Val Thr Pro Gly Ala Gly Arg Phe Val Pro Arg Lys  
405 410 415

Thr Phe Pro Asp Phe Val Tyr Lys Arg Ile Lys Ala Arg Asn Arg Leu  
420 425 430

Ala Glu Ile His Gly Val Pro Arg Gly Leu Tyr Asp Gly Pro Val His  
435 440 445

Glu Val Met Val Pro Ala Lys Pro Gly Ser Gly Ala Pro Ala Arg Ala  
450 455 460

Ser Cys Pro Gly Lys Ile Ser Val Pro Pro Val Arg Asn Leu His Gln  
465 470 475 480

Ser Gly Phe Ser Leu Ser Gly Ser Gln Ala Asp Asp His Ile Ala Arg  
485 490 495

Arg  
497